

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF BATTERY BACKUP AT THE INTERSECTION OF MD 404 AND MD 382 IN CAROLINE COUNTY. MD 404 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX-PHASE, FULL- TRAFFIC-AQUATED MODE. THERE IS EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR THE EAST AND WEST APPROACH OF MD 404. MD 404 APPROACHES OPERATE CONCURRENTLY AND THE MD 328/RIVER ROAD APPROACHES OPERATE CONCURRENTLY. HAZARD IDENTIFICATION BEACONS (HIB'S) WILL BE LOCATED IN ADVANCE OF THE INTERSECTION FOR EAST/WESTBOUND MD 404 AND WILL FLASH AT TIMES DURING THE SIGNAL OPERATION.

CONTACTS

The contact persons for this project are as follows:

Mr. Jeffery Wentz
Assistant District Engineer - Traffic
Phone: (410) 810-3240

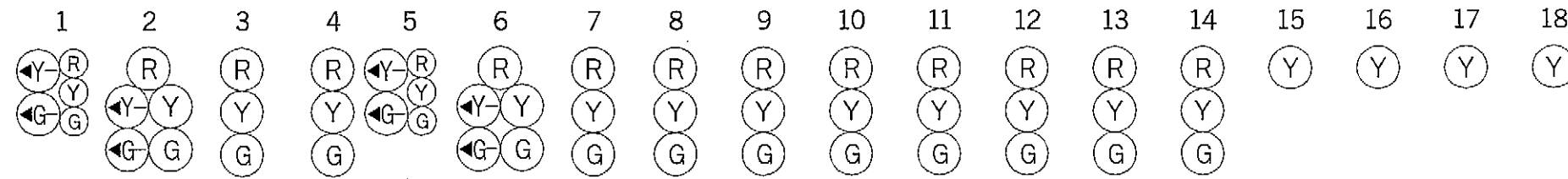
Mr. Mike Lewis
Assistant District Engineer - Maintenance
Phone: (410) 810-3250

Mr. Barry Clothier
Utility Engineer
Phone: (410) 810-3275

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Supervisor, Signal Operations
Phone: 410-787-7650

PHASE CHART



PHASE 1 AND 5	←G/R	←G/R	R	R	←G/R	←G/R	R	R	R	R	R	R	R	R	FL/Y	FL/Y	FL/Y	FL/Y	↑
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																			↓
PHASE 1 AND 6	←G/G	←G/G	G	G	R	R	R	R	R	R	R	R	R	R	FL/Y	FL/Y	FL/Y	FL/Y	↑
1 CHANGE	←Y/G	←Y/G	G	G	R	R	R	R	R	R	R	R	R	R	FL/Y	FL/Y	FL/Y	FL/Y	↓
PHASE 2 AND 5	R	R	R	R	←G/G	←G/G	G	G	R	R	R	R	R	R	FL/Y	FL/Y	FL/Y	FL/Y	↑
5 CHANGE	R	R	R	R	←Y/G	←Y/G	G	G	R	R	R	R	R	R	FL/Y	FL/Y	FL/Y	FL/Y	↓
PHASE 2 AND 6	G	G	G	G	G	G	G	G	R	R	R	R	R	R	FL/Y	FL/Y	FL/Y	FL/Y	↑
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	FL/Y	FL/Y	FL/Y	FL/Y	↓
PHASE 4 AND 8	R	R	R	R	R	R	R	R	G	G	G	G	G	G	FL/Y	FL/Y	FL/Y	FL/Y	↑
4 AND 8 CHANGE	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	FL/Y	FL/Y	FL/Y	FL/Y	↓
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/Y	↑

EQUIPMENT LIST FOR CONTRACT NO. XX6615185

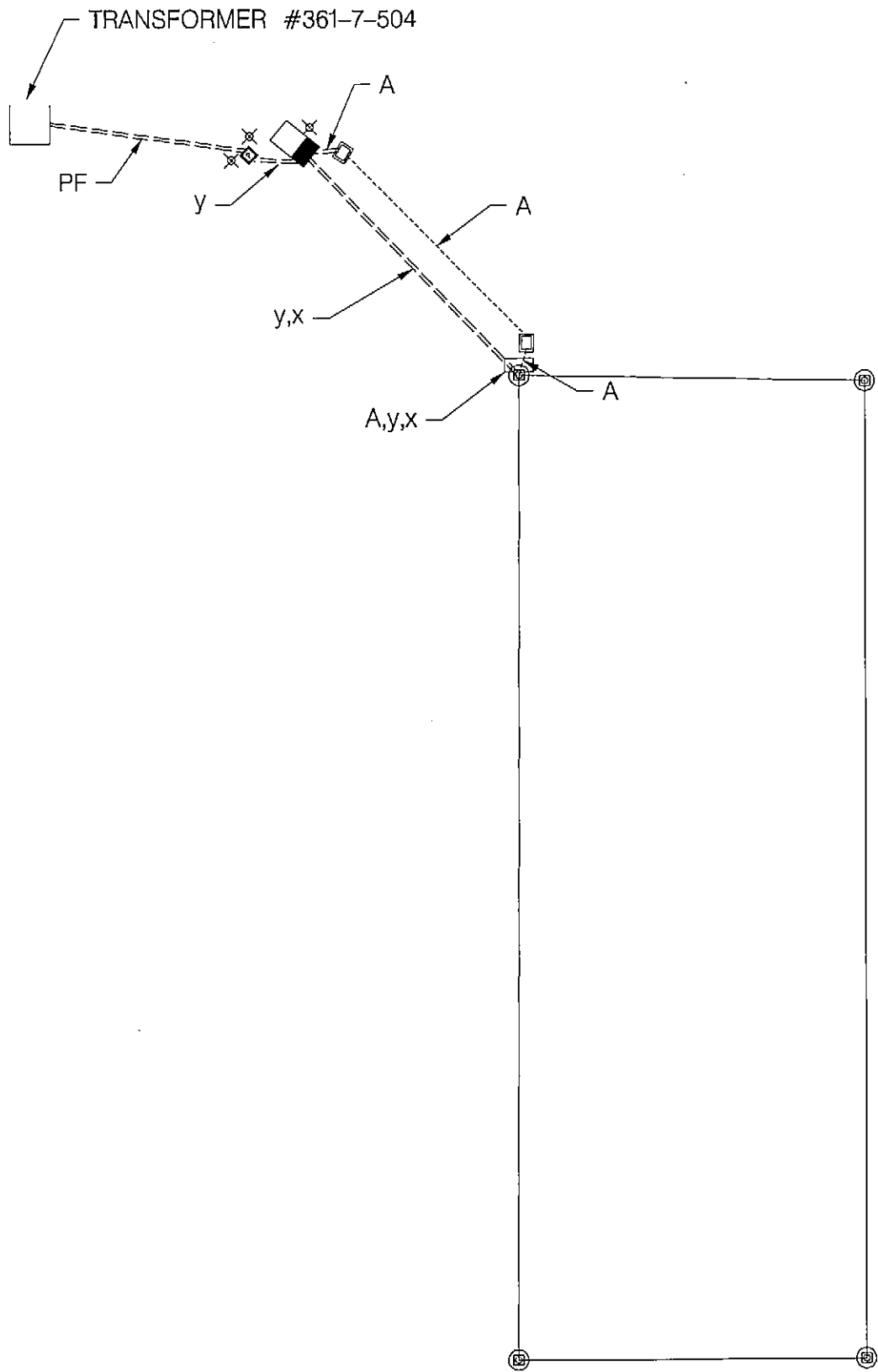
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
2002	1	CY	TEST PIT EXCAVATION
6002	25	SF	5 INCH CONCRETE SIDEWALK
8012	1	EA	EMBEDDED METERED SERVICE PEDESTAL
8023	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8036	40	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
8038	35	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8042	45	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8045	10	LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG-THHN/THWN
8056	55	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8062	1	EA	FURNISH AND INSTALL CONTROLLER AND CABINET - BASE MOUNT (ANY SIZE)



MD 404 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

WIRING DIAGRAM



NOTE:
TERMINATE 7 CONDUCTOR CABLE IN POLE MOUNTED CABINET.

WIRING KEY

- A } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- x } NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- y } 3 WIRES, 1 CONDUCTOR ELECTRICAL CABLE (NO. 8 AWG THHN/THWN)
- PF } POWER FEED BY OTHERS
- + } GROUND ROD

TOD NO: XX661-06
SHA NO: C0287851
MD 404 @ MD 328

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 404 AND MD 328/RIVER ROAD
HILLSBORO, MD

GENERAL INFORMATION PLAN SHEET

SCALE NONE ADVERTISED DATE 09/15/11 CONTRACT NO. XX6615185

DESIGNED BY CW COUNTY CAROLINE
DRAWN BY CW LOGMILE 05032806.27
CHECKED BY JB JAL 9/23/11 TMS NO. K996
F.A.P. NO. TOD NO.

TS NO. DRAWING - OF SHEET NO. 2 OF 2

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PLOTTED: Monday, September 26, 2011 AT 08:17 AM
FILE: P:\08-022 TECD\Task 72 MD 404 @ MD 328\Drawings\CADD\Working\pGG-F003_M404 @ M328.dgn